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**THE EMBODIMENTS OF THE INVENTION IN WHICH AN EXCLUSIVE  
PROPERTY OR PRIVILEGE IS CLAIMED ARE DEFINED AS FOLLOWS:**

1. A system for providing computing functions to a user, said system comprising:
  - (a) an access controller, a trans-media controller, and at least one computing output device;
  - (b) the access controller being configured to:
    - (i) be controlled by said user so as to permit the user to selectively establish an access communication connection with the trans-media controller; and to
    - (ii) communicate with said trans-media controller through said access communication connection;
  - (c) the trans-media controller being configured to:
    - (i) perform at least one computing function in response to a communication from the access controller via the access communication connection;
    - (ii) generate an output of said computing function;
    - (iii) selectively establish a distribution communication connection with a target computing output device; and to
    - (iv) transmit said output to the target computing output device; and
  - (d) each of the computing output devices being configured to:
    - (i) form a distribution communication connection with the trans-media controller;
    - (ii) receive the output from the trans-media controller via the distribution communication connection; and to
    - (iii) actualize the output for the user.
2. A system according to claim 1, wherein each computing output device has a unique identifier, and wherein the access controller is configured

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to transmit a unique identifier of the target computing output device to said trans-media controller through said access communication connection, and wherein the trans-media controller is configured to identify said target computing output device using said unique identifier; whereby a user can obtain access to computing function output through any one of multiple computing output devices, and the output can be directed to the target computing output device by virtue of the unique identifier.

3. A system according to claim 2, wherein each of the computing output devices is configured to transmit its unique identifier to the user.
4. A system according to claim 3, wherein the identifier is transmitted electronically to the access controller, and wherein the access controller is configured to receive the identifier and transmit the identifier to the trans-media controller.
5. A system according to claim 4, wherein the identifier is transmitted via the Bluetooth communication protocol.
6. A system according to claim 3, wherein the identifier is transmitted visually to the user by the display of the identifier on the computing output device, and wherein the access controller is configured to receive a manual input of the identifier and transmit the identifier to the trans-media controller, whereby the identifier can be manually inputted by the user into the access controller and transmitted by the access controller.
7. A system according to claim 1, wherein the trans-media controller is configured to terminate the distribution communication connection in response to an instruction from the access controller.

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8. A system according to claim 1, wherein the trans-media controller is configured to terminate the access communication connection in response to an instruction from the access controller.
9. A system according to claim 1, wherein each of said computing output devices includes a network connector, to form said distribution communication connection with the trans-media controller
10. A system according to claim 9, wherein said network connector is sized and shaped to be operatively connected by said user to said computing output device.
11. A system according to claim 9, wherein said network connector is sized and shaped to be installed as an integral component of said computing output device.
12. A system according to claim 1, wherein said access communication connection includes at least one communication medium selected from the group of: public switched telephone network, public switched wireless network, private switched wireless network, WI-Fi network, Bluetooth network, and a satellite communication network.
13. A system according to claim 12, wherein said access communication connection includes a private switched wireless network for cellular telephone access.
14. A system according to claim 1, wherein said distribution communication connection includes a high speed Internet connection.

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15. A system according to claim 14, wherein said computing output devices form said distribution communication connection through a WI-Fi system connection.
16. A system according to claim 1, wherein said computing functions include at least one function selected from the group of: providing Internet access, displaying a user's personal desktop, displaying a user's personal file, printing a user's personal file, storing a user's personal file in a storage medium, displaying an image, playing audio from a sound file, and displaying video and playing audio from a streaming video Internet connection.
17. A system according to claim 1, wherein said computing output device is selected from the group of: a display monitor, a printer, an audio speaker set, and a computer memory storage device.
18. A system according to claim 1, wherein said access controller is configured to provide to said trans-media controller instructions relating to the position of a pointer or cursor, and instructions providing keyboard input.
19. A system according to claim 18, wherein said access controller includes at least input feature, and said access controller is configured so that activating said input feature directs the trans-media controller to change the position of a pointer or cursor in a predetermined direction and by a predetermined distance.
20. A system according to claim 1, wherein said access controller accesses said access communication connection through a wireless connection.

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21. A system according to claim 20, wherein said access controller is selected from the group of: a cellular telephone, a wireless telephone, a pager, a personal data assistant, and a mobile computer.
22. A system according to claim 1, wherein said access controller accesses said access communication connection through a wired connection.
23. A system according to claim 22, wherein said access controller is selected from the group of: a wired telephone, and a wired computer.
24. A system according to claim 1, wherein said trans-media controller contains personal computing data and applications of said user.
25. A system according to claim 1, further including an application server, said application server containing personal computing data and applications of said user and being operatively connected to said trans-media controller through an application control interface.
26. A system according to claim 25, wherein said application server is located remote from said trans-media controller.
27. A system according to claim 1, further including a media marking system to customize a signal sent from the trans-media controller to each of said computing output devices.
28. A system according to claim 27, wherein said media marking system comprises a first marking card installed in said trans-media controller and a second marking card installed in each of said computing output devices.

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29. A system according to claim 27, wherein said media marking system embeds a digital watermark in said signal sent from the trans-media controller to each of the computing output devices.
30. A network connector for a computing output device, comprising:
- (a) a unique identifier;
  - (b) a communication receiver adapted to receive a communication signal;
  - (c) a cryptograph circuit, operatively connected to said communication receiver, to unscramble the communication signal;
  - (d) a decompression circuit, operatively connected to said cryptograph circuit, to decompress the communication signal; and
  - (e) a media output circuit, operatively connected to said decompression circuit, to provide and adapt the communication signal for output to said computing output device.
31. The network connector according to claim 30, wherein said communication receiver is configured to receive communication signals according to the Wi-Fi communication standard.
32. The network connector according to claim 30, further including a communication transmitter to transmit said unique identifier to a proximate communication device.
33. The network connector according to claim 32, wherein said communication transmitter transmits according to the Bluetooth communication standard.
34. The network connector according to claim 30, wherein the network connector is sized and shaped to be portable by a user, and wherein said network connector further includes an attachment

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mechanism to physically connect said network connector to an input port on said computing output device.

35. The network connector according to claim 30, wherein said network connector is sized and shaped to be installed integral to said computing output device.
36. A method of providing computing functions to a user, said method comprising:
- (a) receiving through an access communication connection a unique identifier of a computing output device from a user located proximate to said computing output device;
  - (b) establishing a distribution communication connection with said computing output device, to enable the transmission of communication signals to said computing output device;
  - (c) providing, through said distribution communication connection, at least one computing function to said computing output device;
  - (d) actualizing said computing function for said user on said computing output device;
  - (e) terminating said computing function and said communication link upon receiving instructions to terminate from said user;
  - (f) repeating said steps (a) to (e) upon receiving a further unique identifier of a computing output device from a user.
37. A method of providing computing functions to a user according to claim 36, said method further including the step of embedding a digital watermark in said communication signals sent from the trans-media controller to each of said computing output devices.

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38. A method of obtaining access to computing functions for a user, said method comprising:
- (a) moving to a location proximate to a computing output device;
  - (b) communicating a unique identifier of said computing output device to said trans-media controller through said access controller;
  - (c) receiving a computing function on said computing output device;
  - (d) using said access controller to direct the operation of said computing function;
  - (e) instructing said trans-media controller to terminate said computing function; and
  - (f) repeating said steps (a) to (e) upon moving to a location proximate to another computing output device.
39. A method of obtaining access to computing functions for a user according to claim 38, said method further including the steps of:
- (a) attaching to said computing output device, prior to step (b) above, a network connector, said network connector being sized and shaped to operatively connect to said computing output device; and
  - (b) removing said network connector from said computing output device after step (e) above.